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EXAMINER

TRAN, QUOC A

ART UNIT PAPER NUMBER

2176

DATE MAILED: 09/27/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/726,797

Applicant(s)

ALSAFADI ET AL.

Examiner

Quoc A. Tran

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 June 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-18 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

1. This action is responsive to communications: amendment filed 08/17/2004, to the original application filed 11/30/2000.
2. Claims 1-18 are currently pending in this application. Applicants have amended independent claims 1, 17 and 18. Claims 1, 17 and 18 are independent claims.

Response to Arguments

3. Applicant's arguments with respect to claim 1-18 have been considered but are moot in view of the new ground(s) of rejection. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action.

Regarding to Applicant's arguments directed toward the un-amended claims (i.e. dependent claims 2-16). It is noted, that Jamtgaard fairly teach and/or suggest the claims' limitations.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

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5. **Claims 1-18** are rejected under 35 U.S.C. 103(a) as being unpatentable by Jamtgaard et al. US006430624B1 - filed 02/14/2000 (hereinafter Jamtgaard '624), in view of Robotham et al. US006704024B2 filed 11/29/2000 (hereinafter Robotham '024).

In regard to independent claim 1, determining a content profile associated with the device (as taught by Jamtgaard '624 at col. 4, line 59 through col. 5, line 5, i.e.... from an Internet content provider's web site in various forms, such as HTML data, XML data, or raw data feeds and then re-deliver it, via the translation server 12 and through a telecommunications system item 14, such as, a wireless carrier base station that uses a typical communications format such as CDPD, to information appliances 15 in a format that is completely customized to the end user's device type and browsing capabilities. Thus, the content delivery system and method may generate and output WML, HDML, and tiny HTML, compact HTML, HTML or XML data that is compatible with the particular information appliance 15. The information appliances 15 may be any type of device including WAP compliant cell phones, Windows CE devices, Palm OS devices, and any other HTML browser based devices...), **generating a conditioned document by applying the content profile to a requested document containing content for presentation at the device** (as taught by Jamtgaard '624 at col. 2 lines 50-65, i.e.... permits content to be input into the system in a variety of different formatting languages. In addition, the system permits the formatted content to be output in any mark-up language and protocol, such as WML, HTML, HDML, XML, etc. Advantageously, each display page on the device may be customized.... for display on the devices according to the input/output format, such as the display screen size parameters of the devices... In more detail, the method for content delivery may include intelligently harvesting content from a web page to provide that content to a

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plurality of different information appliances having different screen sizes...), **determining a stylesheet associated with the device; and applying the Stylesheet to the conditioned document to generate an output suitable for presentation at the device** (as taught by Jamtgaard '624 at col. 6, lines 35-50, i.e.... XSL rules used by the XML engine 46 for converting XHTML pages into RML (Relational Markup Language), one or more URL Ids and various device information. In accordance with the invention, each XSL rule may be indexed in the database based on an ID (the ID may contain a URL, a name/value pair and cookie information) so that the system may determine which rule applies to which incoming URL; The device information is used by the layout engine (item 42) in order to convert the RML data into one or more cards in a deck that may be displayed on the particular device. ...);

Jamtgaard '624 does not explicitly teach, **the content profile including at least one operation and parameter for conditioning data on the device**, however (Robotham '024 at col. 12, lines 49-67, discloses a method and system for rendering and transforming visual content on a server system based on the display attributes of a client device, and transmitting the transformed visual content for display on a client device with respect to related browsing data, wherein user profile and user-level preferences are maintained centrally so that the user can easily return to a visual content element (item 10) and/or constituent component previously viewed by the user on a different client device (item 24), which can maintain a central set of "bookmarks" which refer to specific visual content elements 10 and/or constituent components. The bookmarks can be created on any client device item 24 and accessed from another client device (item 24)), Examiner read the above in content profile including at least one operation and parameter would have been an obvious variant of visual content for display on a client device

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with respect to related browsing data, wherein user profile and user-level preferences are maintained centrally.

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to have modified teaching of Naylor '648, wherein determining a content profile associated with the device and generating a conditioned document by applying the content profile to a requested document containing content for presentation at the device determining a stylesheet associated with the device; and applying the Stylesheet to the conditioned document to generate an output suitable for presentation at the device, to include a means of said the content profile including at least one operation and parameter for conditioning data on the device of Robotham '024. One of ordinary skill would be motivated to perform such a modification provides users an alternative for representations the same visual content in multiple forms, each form appropriate for client-side rendering on a given class of client devices. While not as technically challenging as transcoding (as taught by Robotham '024 col2, line 5 through col. 3, line 5).

In regard to dependent claim 2, the retrieved document comprises an extensible mark-up language document (as taught by Jamtgaard '624 at col. 4 lines 10-15, i.e.... the system permits content in a variety of different formats, such as HTML, XML, raw data, etc., to be input into the system and then permits the content to be output in a variety of different output formats and protocols, such as WML, HTML, HDML, XML...).

In regard to dependent claim 3, the steps of determining a schema associated with the device, and generating the conditioned document by applying the content profile and the schema to the requested document (as taught by Jamtgaard '624 at col. 15, lines 35-45, i.e.

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...an intelligent navigation scheme...for each different information appliance or wireless device that may have different display capabilities...).

In regard to dependent claim 4, the first applying step is implemented in a content conditioner element of the processing device (as taught by Jamtgaard '624 at col. 14, lines 1-20, i.e. ... To display this website on a display device 15, such as a Palm Pilot or a Windows CE device, the groups and atomics need to be organized and placed on cards that make up the presentation shoe (definition of cads and shoe, see Jamtgaard '624 col. 8, lines 1-25). Cards are created by examining how groups best fit onto the cards. A tree data structure can be generated from the RML object. As described above, nesting groups describe the relational context of content contained in a web page. Thus, the class attribute allows different levels of content to be presented to different classes of devices. For example, the general classes of devices are shown in the following table, but the number of classes may be increased or decreased...).

In regard to dependent claim 5, a server which stores at least a portion of the requested document (as taught by Jamtgaard '624 at col. 6, lines 30-55, i.e. ... FIG. 4 is diagram illustrating a preferred implementation of the translation server 12 of the content delivery system 10.... The translation server 12 may also include a database 47 that may contain XSL rules used by the XML engine 46 for converting XHTML pages into RML, one or more URL Ids and various device information...).

In regard to dependent claim 6, the second applying step is implemented in an extensible stylesheet language engine element of the processing device (as taught by Jamtgaard '624 at col. 6, lines 35-50, i.e. XSL rules used by the XML engine 46 for converting XHTML pages into RML (Relational Markup Language).

In regard to dependent claim 7, the second applying step is implemented in an extensible Stylesheet language engine element of a server which stores at least a portion of the requested document (as taught by Jamtgaard '624 at col. 6, lines 30-55, i.e. ... FIG. 4 is diagram illustrating a preferred implementation of the translation server 12 of the content delivery system 10.... The translation server 12 may also include a database 47 that may contain XSL rules used by the XML engine 46 for converting XHTML pages into RML, one or more URL Ids and various device information...).

In regard to dependent claim 8, wherein the content profile for a given device comprises one or more operations and corresponding parameters that are required to condition the requested document content for a desired consumption experience at the processing device (as taught by Jamtgaard '624 at col. 6, lines 30-55, i.e. FIG. 4 is diagram illustrating a preferred implementation of the translation server 12 of the content delivery system 10.... The translation server 12 may also include a database 47 that may contain XSL rules used by the XML engine 46 for converting XHTML pages into RML, one or more URL Ids and various device information...).

In regard to dependent claim 9, wherein the content profile comprises a summarization program which specifies a manner in which summarization information derived from the retrieved document is to be presented at the device (as taught by Jamtgaard '624 at col. 2 line 65 through col. 3, line 5, i.e. The intelligent harvesting may convert the content into a proprietary relational markup language (RML) and generate a tree and then a document object model from the RML content. The tree may then be analyzed and searched using a set of

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processing rules in order to generate content screens customized to each information appliance...).

In regard to dependent claim 10, wherein the content profile specifies a maximum percentage of an amount of original text associated with the requested document that is to be presented at the device (as taught by Jamtgaard '624 at col. 13, lines 19-45, i.e. FIG. 10 is a diagram of the layout engine 42 ... formats a content source for a specific device's screen and inherent capabilities. The layout engine 42 may include the content cutter 72.... cuts all the content of format and content classes not appropriate for the specific device from the received HTML page to ... dynamically devises an optimal layout and navigation structure for the particular device 15... For example, an atomic may be a paragraph of text, a heading, a link to a news story, a picture, etc. Atomics may be grouped together to reveal relationships between them. Groups may be nested to form a complex relational hierarchy. These groups can be placed on cards so that customized presentation pages can be transmitted to a device 15...).

In regard to dependent claim 11, wherein the output is presented in a visually-perceptible manner on a display of the device (as taught by Jamtgaard '624 at col. 13, lines 19-30, i.e. The layout engine 42 may include the content cutter 72.... cuts all the content of format and content classes not appropriate for the specific device from the received HTML page to ... dynamically devises an optimal layout and navigation structure for the particular device 15...).

In regard to dependent claim 12, wherein the output is presented in an audibly-perceptible manner using a speaker associated with the device (as taught by Jamtgaard '624 at col. 4, line 65 through col. 5, line 5, i.e. output WML, HDML, tiny HTML, compact HTML,

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HTML or XML data that is compatible with the particular information appliance 15. The information appliances 15 may be any type of device including WAP compliant cell phones, Windows CE devices, Palm OS devices, and any other HTML browser based devices...).

In regard to dependent claim 13, wherein the processing device comprises a desktop or portable personal computer (as taught by Jamtgaard '624 at col. 4, line 65 through col. 5, line 5, i.e. output WML, HDML, tiny HTML, compact HTML, HTML or XML data that is compatible with the particular information appliance 15. The information appliances 15 may be any type of device including WAP compliant cell phones, Windows CE devices, Palm OS devices, and any other HTML browser based devices...).

In regard to dependent claim 14, wherein the processing device comprises a personal digital assistant (as taught by Jamtgaard '624 at col. 4, line 65 through col. 5, line 5, i.e. output WML, HDML, tiny HTML, compact HTML, HTML or XML data that is compatible with the particular information appliance 15. The information appliances 15 may be any type of device including WAP compliant cell phones, Windows CE devices, Palm OS devices, and any other HTML browser based devices...).

In regard to dependent claim 15, wherein the processing device comprises a wireless telephone (as taught by Jamtgaard '624 at col. 4, line 65 through col. 5, line 5, i.e. output WML, HDML, tiny HTML, compact HTML, HTML or XML data that is compatible with the particular information appliance 15. The information appliances 15 may be any type of device including WAP compliant cell phones, Windows CE devices, Palm OS devices, and any other HTML browser based devices...).

In regard to dependent claim 16, wherein the processing device comprises an Internet-enabled television (as taught by Jamtgaard '624 at col. 4, line 65 through col. 5, line 5, i.e. output WML, HDML, tiny HTML, compact HTML, HTML or XML data that is compatible with the particular information appliance 15. The information appliances 15 may be any type of device including WAP compliant cell phones, Windows CE devices, Palm OS devices, and any other HTML browser based devices...).

In regard to independent claim 17, is directed to an apparatus for performing the method of claims 1 and 5, and is similarly rejected under the same rationale.

In regard to independent claim 18, is directed to a machine-readable storage medium for performing the method of claim 1, and is similarly rejected under the same rationale.

Conclusion

6. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Quoc A. Tran whose telephone number is (571) 272-4103. The examiner can normally be reached on Monday through Friday from 9 AM to 5 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Herndon R. Heather can be reached on (571) -272-4136. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Quoc A. Tran
Patent Examiner
Technology Center 2176
September 20, 2005

William L. Bashore
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PRIMARY EXAMINER
9/23/2005